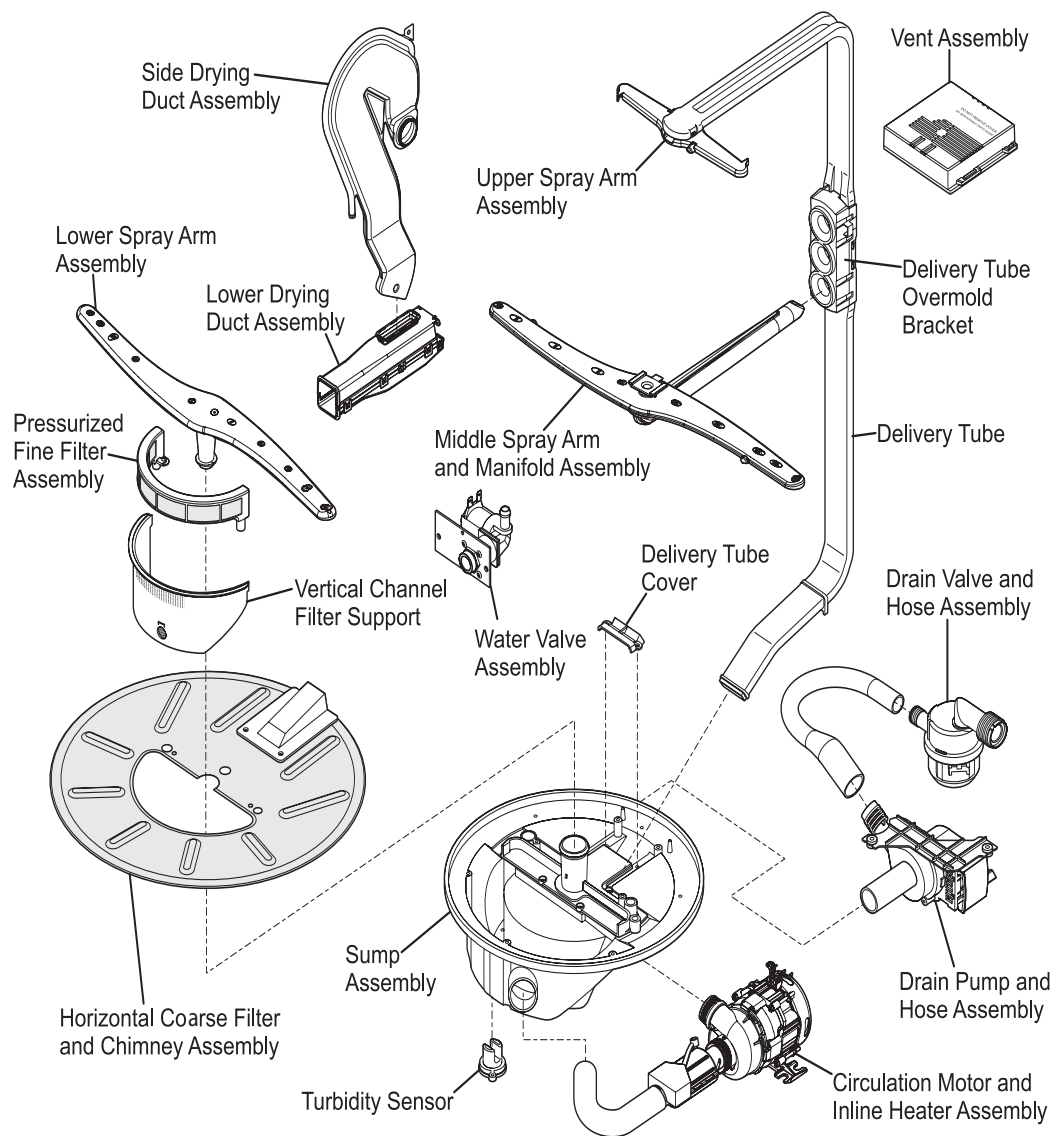


# Exploded View of Wash System



## Pump Assembly

The pump assembly is driven by a permanent split capacitor motor. When looking at the output shaft, rotation is in the counterclockwise direction at 3300RPM when driven by 120V 60Hz AC signal. The motor drives a pump which supplies 100% filtered water at the rate of approximately 19 GPM to all three spray arms at once.

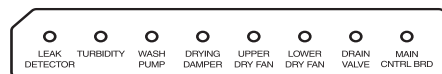
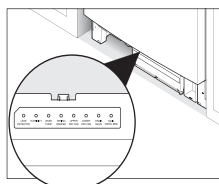
Draining is accomplished by using a small separate synchronous drain pump mounted to the sump. The drain pump is connected to the sump by a small rubber hose and two mounting points.

The drain valve is connected to the drain pump by a rubber hose and is mounted to the dishwasher base. The drain valve maintains pressure in the pressurized fine filter. The intermediate drain hose is attached by a worm gear clamp to the discharge end of the drain valve.

The drain hose must have a loop at a minimum height of 32 inches in order to ensure proper drainage.

The main pump is removed by disconnecting both attached clamps and hoses, removing the three screws that secure the motor base to the dishwasher base, unlatching the leak detector, and disconnecting the wiring harness connections to the pump assembly.

## Component Error LED Indication



To gain access to the Control Housing Assembly, remove kickplate assembly. LED indicates which component is the source of the error.

## Standard Dry Air Flow

When the control advances to the "dry" portion of the cycle, the lower fan located in the Lower Drying Duct Assembly is activated. Then, the Vent Assembly located in the top right corner of the tub is activated. The vent fan draws in the air from outside the tub forcing the hot, humid air out the Side Drying Duct Assembly and into the Lower Drying Duct Assembly. Cool dry outside

air is mixed with hot, humid air existing the tub in the Lower Drying Duct Assembly. This lowers the temperature and humidity of the air exiting the unit through the toe and kickplate. The addition of cooler, dryer outside air helps to speed evaporation of water from the hot dishes.

## Detergent and Rinse Aid Dispenser

The detergent and rinse aid dispenser is a one piece component consisting of a molded detergent cup and a built-in rinse aid dispenser.

The detergent cup has a spring loaded cover and the rinse aid dispenser has a removable cover.

Liquid rinse aid is added to the dispenser up to the fill line indicator. The amount of rinse aid released can be adjusted by turning the arrow indicator from one, being the least amount, to four, being the greatest amount.

### To replace dispenser:

- shut off electricity,
- remove outer door (there are 6 screws to remove, starting at the top of the door remove the first, fourth and fifth screws per side)
- remove middle door and foam barrier (there are 4 screws into the hinge arms, lower portion from the front, and 2 screws (1 per side, third screw from the top),
- disconnect wiring to the dispenser,
- remove 6 screws and 2 brackets,
- remove the dispenser,
- reassemble using the new dispenser in the reverse order of above.

## Tub Gasket

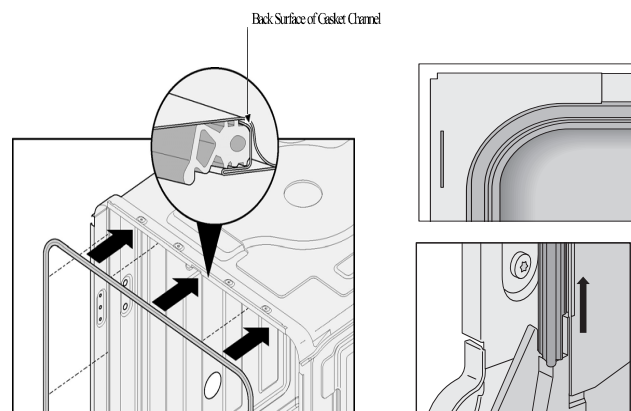
The door gasket is pressed into the tub channel for an interference fit. To install the gasket:

1. Apply a small bead of silicone sealant (Dow 732) all of the way around in the gasket channel along the back surface.
2. Locate the center mark on the gasket and press into place.
3. Press the gasket across the header using your thumb.

4. Press the gasket while stretching around the corners.

**NOTE: There should be no wrinkles or puckers in the corners.**

5. Place the gasket end at the bottom and then press the gasket in from the bottom up.



## Product Specifications

### Electrical

Rating .....	120 Volts, 60Hz
Separate Circuit..	15 amp min.- 20 amp max.
Motor (Amps) .....	.75
Heater Wattage .....	1200
Total Amps (load rated) .....	10.0
TempAssure .....	140°F ±5°F (60°C±3°C) [with outer door in place]
TempBoost.....	145°F ±5°F (63°C ±3°C)
	Heated Wash/Heated Rinse
Sanitize .....	150°F ±5°F (66°C ±3°C)
Hi-Limit Thermostat .....	200°F (93°C)

### Water Supply

Suggested minimum incoming water temperature .....	120°F (49°C)
Pressure (PSI) min./max. ....	20/90
Connection (NPT) .....	3/8"
Consumption (Normal Cycle) .....	4.9 - 9.7 U.S. gal., 18.5 - 36.7 liters
Water valve flow rate (U.S. GPM) .....	.83
Water recirculation rate (U.S. GPM) .....	approx. 19
Water fill time .....	105 sec.

# Trouble Shooting Tips

## ⚠ WARNING

### Personal Injury Hazard

Always disconnect the dishwasher from the electrical power source before adjusting or replacing components.

Symptom	Check the Following	Remedy
Dishwasher will not operate when turned on.	<ol style="list-style-type: none"> <li>1. Fuse (blown or tripped).</li> <li>2. 120 VAC supply wiring connection faulty.</li> <li>3. Electronic control board defective.</li> <li>4. No 12 VAC power to control.</li> <li>5. Motor (inoperative).</li> <li>6. Door switch (open contacts).</li> <li>7. Door latch not making contact with door switch.</li> <li>8. Touch pad circuit defective.</li> <li>9. No indicator lamps illuminate when START or OPTIONS are pressed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace fuse or reset breaker.</li> <li>2. Repair or replace wire fasteners at dishwasher junction box.</li> <li>3. Replace control board.</li> <li>4. Replace control board.</li> <li>5. Replace motor/impeller assembly.</li> <li>6. Replace latch assembly.</li> <li>7. Replace latch assembly.</li> <li>8. Replace console assembly.</li> <li>9. Replace console assembly.</li> </ol>
Motor hums but will not start or run.	<ol style="list-style-type: none"> <li>1. Motor (bad bearings).</li> <li>2. Motor stuck due to prolonged non-use.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace motor assembly.</li> <li>2. Rotate motor impeller.</li> </ol>
Motor trips out on internal thermal overload protector.	<ol style="list-style-type: none"> <li>1. Improper voltage.</li> <li>2. Motor windings shorted.</li> <li>3. Glass or foreign items in pump.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check voltage.</li> <li>2. Replace motor/impeller assembly.</li> <li>3. Clean and clear blockage.</li> </ol>
Dishwasher runs but will not heat.	<ol style="list-style-type: none"> <li>1. Heater element (open).</li> <li>2. Electronic control board defective.</li> <li>3. Wiring or terminal defective.</li> <li>4. Hi-Limit thermostat defective.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace heater element.</li> <li>2. Replace control board.</li> <li>3. Repair or replace.</li> <li>4. Replace thermostat.</li> </ol>
Detergent cover will not latch or open.	<ol style="list-style-type: none"> <li>1. Latch mechanism defective.</li> <li>2. Electronic control board defective.</li> <li>3. Wiring or terminal defective.</li> <li>4. Broken spring(s).</li> <li>5. Defective actuator.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace dispenser.</li> <li>2. Replace control board.</li> <li>3. Repair or replace.</li> <li>4. Replace dispenser.</li> <li>5. Replace dispenser.</li> </ol>
Dishwasher will not pump out.	<ol style="list-style-type: none"> <li>1. Drain restricted.</li> <li>2. Electronic control board defective.</li> <li>3. Defective drain pump.</li> <li>4. Blocked impeller.</li> <li>5. Open windings.</li> <li>6. Wiring or terminal defective.</li> <li>7. Defective Drain Valve.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clear restrictions.</li> <li>2. Replace control board.</li> <li>3. Replace pump.</li> <li>4. Check for blockage, clear.</li> <li>5. Replace pump assembly.</li> <li>6. Repair or replace.</li> <li>7. Repair or replace.</li> </ol>
Dishwasher will not fill with water.	<ol style="list-style-type: none"> <li>1. Water supply turned off.</li> <li>2. Defective water inlet fill valve.</li> <li>3. Check fill valve screen for obstructions.</li> <li>4. Defective float switch.</li> <li>5. Electronic control board defective.</li> <li>6. Wiring or terminal defective.</li> <li>7. Float stuck in "UP" position.</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn water supply on.</li> <li>2. Replace water inlet fill valve.</li> <li>3. Disassemble and clean screen.</li> <li>4. Repair or replace.</li> <li>5. Replace control board.</li> <li>6. Repair or replace.</li> <li>7. Clean or replace float.</li> </ol>
Dishwasher water siphons out.	<ol style="list-style-type: none"> <li>1. Drain hose (high) loop too low.</li> <li>2. Drain line connected to a floor drain not vented.</li> <li>3. Drain valve or pump stuck open.</li> </ol>	<ol style="list-style-type: none"> <li>1. Repair to proper <b>32-inch minimum height</b>.</li> <li>2. Install air gap at counter top.</li> <li>3. Repair or replace.</li> </ol>
Detergent left in dispenser.	<ol style="list-style-type: none"> <li>1. Detergent allowed to stand too long in dispenser.</li> <li>2. Dispenser wet when detergent was added.</li> <li>3. Detergent cover held closed or blocked by large dishes.</li> <li>4. Improper incoming water temperature to properly dissolve detergent.</li> <li>5. See "Detergent cover will not open."</li> <li>6. Spray arm blocked.</li> <li>7. Is water getting into unit.</li> </ol>	<ol style="list-style-type: none"> <li>1. Instruct customer/user.</li> <li>2. Instruct customer/user.</li> <li>3. Instruct customer/user on proper loading of dishes.</li> <li>4. Incoming water temperature of 120°F is required to properly dissolve dishwashing detergents.</li> <li>6. Instruct customer/user.</li> <li>7. Check fill valve repair or replace.</li> </ol>

P/N: 154743801



This information is intended for use by persons having electrical and mechanical training and a level of knowledge of these subjects generally considered acceptable in the appliance repair trade. Electrolux Home Products North America cannot be responsible, nor assume any liability, for injury or damage of any kind arising from the use of this Service Data Sheet.

### Operation

- To start** . . . . . Open door, select the cycle and options and then press START/CANCEL touchpad. The Cd message will appear in the display after 10 sec. Close the door and the cycle will begin.
- To delay start** . . . . . Open door, select the desired cycle and options and then press the DELAY TIME touchpad select 1-24 hrs then press START/CANCEL.
- To select a new cycle or option** . . . . . Open door, select the desired cycle and options, press the START/CANCEL touchpad, close door within 15 seconds and cycle will begin.
- To cancel cycle** . . . . . Open the door, press the START/CANCEL touchpad close the door and the sump will drain and the unit will turn off
- For controls. . . . . Lock** . . . . . Open door and press the AIR DRY touchpad for 3 seconds. After 3 seconds an audible signal will be given and Loc will appear on the display. To unlock the control press the AIR DRY touchpad for 3 seconds and normal function will resume.

### Display Codes (LED)

- SANITIZED** ----- "SA" will show in the display when the door is opened for the first time after a sanitize cycle is ran successfully. This means the unit met the minimum wash temperature for the minimum amount of time.
- CLEAN** ----- "CL" will appear in the display after the completion of any cycle other than the Rinse Only cycle.
- RINSE AGENT LOW** ----- "LOW RINSE" will appear in the display after the START/CANCEL touchpad is pressed to begin a cycle if the rinse aid level in the dispenser is low.

### Color Code

- |                    |                       |                          |                         |                        |
|--------------------|-----------------------|--------------------------|-------------------------|------------------------|
| BK.....Black       | Y-BK.....Yellow/Black | GRN/Y.....Green/Yellow   | Y/GRN.....Yellow/Green  | OR/W.....Orange/White  |
| BLUE.....Blue      | Y.....Yellow          | GRN/R.....Green/Red      | Y/R.....Yellow/Red      | OR/BK.....Orange/Black |
| PINK.....Pink      | Blue/W.....Blue/White | GRN/W.....Green/White    | Y/VIO.....Yellow/Purple | BRN.....Brown          |
| R.....Red          | GRN.....Green         | PURP/W.....Purple/White  | Y/W.....Yellow/White    | BRN/R.....Brown/Red    |
| R-BK.....Red/Black | PURP.....Purple       | PURP/BK.....Purple/Black | OR.....Orange           | BRN/W.....Brown/White  |
| W or WHT.....White |                       |                          |                         | BRN/Y.....Brown/Yellow |

### Relay Test

- To enable the Relay Test mode perform the following steps in sequence:**
1. If a wash cycle is running, press **START/CANCEL** touchpad to cancel operation and allow to drain
  2. To Enter press "Sanitize" and "Delay" simultaneously.
  3. Press "Eco"
  4. Once in Relay Test mode press "Auto" to scroll to the cycle you desire.
  5. Press the "Eco" keypad to select and activate the load. The load will not activate until the door is closed.

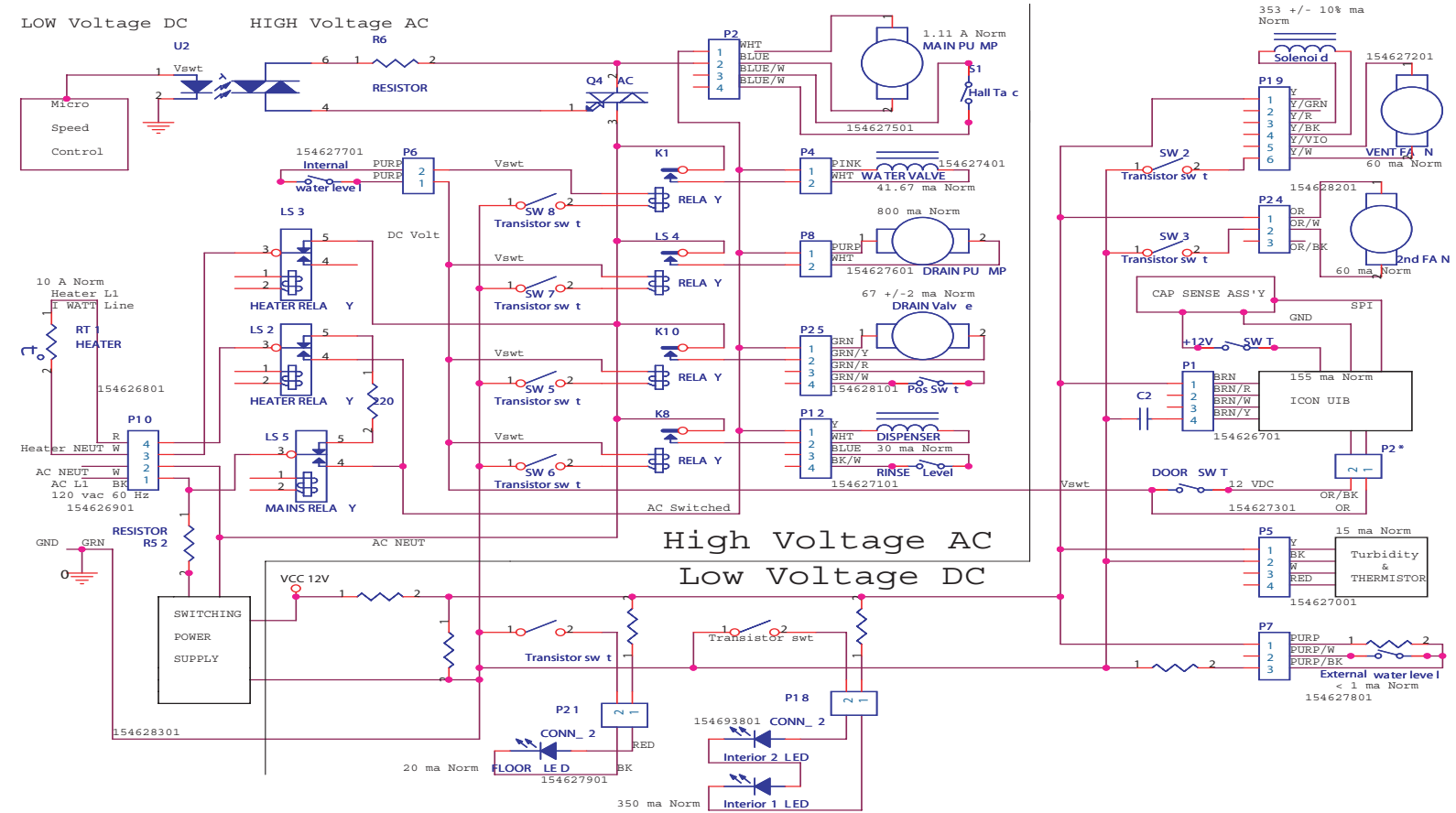
The following is a list of components:

- HP - Toggle the Wash Pump
- dS - Open Soap Dispenser
- H2 - Toggle the Water Valve
- dP - Toggle the Drain Pump
- dA - Drain Valve automatically cycle between opened and closed and then switches off.
- CL - Turn on the Floor Light
- dL - Cycle through the Diagnostic LEDs located on the lower control board
- FA- Toggle Fan operation. Apply power to Lower Fan, wait 4 seconds and then apply power to the Upper Fan and Damper.
- HE - Toggle the Heater. Unit must have water to Toggle Heater.

**To return to the normal operations menu:**  
Press "SANITIZE" touchpad for a minimum of 8 seconds to reset the dishwasher.

\*The WASH CYCLES option may not be visible. Once the DELAY TIME is pressed, WASH CYCLES will be visible.

### Wiring Diagram



### Cycle Selection Options

Minutes	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190		
<b>Cookware</b>	Pre-Wash 1		Pre-Wash 2			Pre-Wash 3					Main Wash										Rinse 1	Rinse 2	Final Rinse					Dry	Final Fans (After clean light)											
Water Valve	█		█			█					█										█	█	█					█	█											
Fans	█		█			█					█										█										█									
Wash Motor	█		█			█					█										█										█									
Drain Motor	█		█			█					█										█										█									
Heater	█		█			█					█										█										█									
Dispenser	█		█			█					█										█										█									
<b>Normal Cycle</b>	Pre-Wash 1		Main Wash										Rinse 1	Final Rinse					Dry	Final Fans (After clean light)																				
Water Valve	█		█										█	█					█	█																				
Fans	█		█										█										█																	
Wash Motor	█		█										█										█																	
Drain Motor	█		█										█										█																	
Heater	█		█										█										█																	
Dispenser	█		█										█										█																	
<b>Stemware</b>	Pre-Wash1		Main Wash					Rinse1	Rinse2	Final Rinse					Dry	Final Fans (After clean light)																								
Water Valve	█		█					█	█	█					█	█																								
Fans	█		█					█										█																						
Wash Motor	█		█					█										█																						
Drain Motor	█		█					█										█																						
Heater	█		█					█										█																						
Dispenser	█		█					█										█																						